RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/009,445C
Source: IFW16
Date Processed by STIC: 5-31-05

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/009,445C CRF Edit Date: 5/31/05
Edited by: KC

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

✓ Deleted: ✓ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

_____

___ Moved responses to same line as heading/numeric identifier, specifically:

_____

___ Other:

_____

_____

_____

Revised 09/09/2003

Raw Sequence Listing before editing,
for reference only

IFW16

RAW SEQUENCE LISTING DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:57

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

<110> APPLICANT: BARCLAY, A. Neil
BROWN, Marion H.
GORMAN, Daniel M.
LANIER, Lewis L.
WRIGHT, Gavin J.
CHERWINSKI, Holly
PHILLIPS, Joseph H.
HOEK, Robert M.
SEDGWICK, Jonathan D.
<120> TITLE OF INVENTION: OX2 RECEPTOR HOMOLOGS (AS AMENDED)
<130> FILE REFERENCE: 140942000900
<140> CURRENT APPLICATION NUMBER: US 10/009,445C
<141> CURRENT FILING DATE: 2001-11-13
<150> PRIOR APPLICATION NUMBER: PCT US00/12998
<151> PRIOR FILING DATE: 2000-05-11
<150> PRIOR APPLICATION NUMBER: GB 9925989.7
<151> PRIOR FILING DATE: 1999-11-03
<150> PRIOR APPLICATION NUMBER: GB 9911123.9
<151> PRIOR FILING DATE: 1999-05-13
<160> NUMBER OF SEQ ID NOS: 70
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 1574
<212> TYPE: DNA
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Description of Unknown Organism: rodent; surmised
Rattus rattus
<220> FEATURE:
<221> NAME/KEY: CDS
<222> LOCATION: (91)..(1071)
<220> FEATURE:
<221> NAME/KEY: mat_peptide
<222> LOCATION: (162)..(1071)
<400> SEQUENCE: 1

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gagtgagccg ctgaaaacca gaaaaccgaa atg ctc tgc ttt tgg aga act tct  114
                                 Met Leu Cys Phe Trp Arg Thr Ser
                                                    -20
cac gta gca gta ctc ttg atc tgg ggg gtc ttc gcg gct gag tca agt   162
His Val Ala Val Leu Leu Ile Trp Gly Val Phe Ala Ala Glu Ser Ser
    -15                 -10                 -5                 -1
tgt cct gat aag aat caa aca atg cag aac aat tca tca act atg aca   210
```

(pg. 6-7)

RAW SEQUENCE LISTING DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:57

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

```
65 Cys Pro Asp Lys Asn Gln Thr Met Gln Asn Asn Ser Ser Thr Met Thr
66   1               5                  10                  15
68 gaa gtt aac act aca gtg ttt gta cag atg ggt aaa aag gct ctg ctc   258
69 Glu Val Asn Thr Thr Val Phe Val Gln Met Gly Lys Lys Ala Leu Leu
70              20                  25                  30
72 tgc tgc cct tct att tca ctg aca aaa gta ata tta ata aca tgg aca   306
73 Cys Cys Pro Ser Ile Ser Leu Thr Lys Val Ile Leu Ile Thr Trp Thr
74          35                  40                  45
76 ata acc ctc aga gga cag cct tcc tgc ata ata tcc tac aaa gca gac   354
77 Ile Thr Leu Arg Gly Gln Pro Ser Cys Ile Ile Ser Tyr Lys Ala Asp
78      50                  55                  60
80 aca agg gag acc cat gaa agc aac tgc tcg gac aga agc atc acc tgg   402
81 Thr Arg Glu Thr His Glu Ser Asn Cys Ser Asp Arg Ser Ile Thr Trp
82  65                  70                  75                  80
84 gcc tcc aca cct gac ctc gct cct gac ctt cag atc agt gca gtg gcc   450
85 Ala Ser Thr Pro Asp Leu Ala Pro Asp Leu Gln Ile Ser Ala Val Ala
86                  85                  90                  95
88 ctc cag cat gaa ggg cgt tac tca tgt gat ata gca gta cct gac ggg   498
89 Leu Gln His Glu Gly Arg Tyr Ser Cys Asp Ile Ala Val Pro Asp Gly
90              100                 105                 110
92 aat ttc caa aac atc tat gac ctc caa gtg ctg gtg ccc cct gaa gta   546
93 Asn Phe Gln Asn Ile Tyr Asp Leu Gln Val Leu Val Pro Pro Glu Val
94          115                 120                 125
96 acc cac ttt cca ggg gaa aat aga act gca gtt tgt gag gcg att gca   594
97 Thr His Phe Pro Gly Glu Asn Arg Thr Ala Val Cys Glu Ala Ile Ala
98      130                 135                 140
100 ggc aaa cct gct gcg cag atc tct tgg acg cca gat ggg gat tgt gtc   642
101 Gly Lys Pro Ala Ala Gln Ile Ser Trp Thr Pro Asp Gly Asp Cys Val
102 145                 150                 155                 160
104 gct aag aat gaa tca cac agc aat ggc acc gtg act gtc cgg agc aca   690
105 Ala Lys Asn Glu Ser His Ser Asn Gly Thr Val Thr Val Arg Ser Thr
106                 165                 170                 175
108 tgc cac tgg gag cag agc cac gtg tct gtc gtg ttc tgt gtt gtc tct   738
109 Cys His Trp Glu Gln Ser His Val Ser Val Val Phe Cys Val Val Ser
110             180                 185                 190
112 cac ttg aca act ggt aac cag tct ctg tct ata gaa ctg ggt aga ggg   786
113 His Leu Thr Thr Gly Asn Gln Ser Leu Ser Ile Glu Leu Gly Arg Gly
114         195                 200                 205
116 ggt gac caa tta tta gga tca tac att caa tac atc atc cca tct att   834
117 Gly Asp Gln Leu Leu Gly Ser Tyr Ile Gln Tyr Ile Ile Pro Ser Ile
118     210                 215                 220
120 att att ttg atc atc ata gga tgc att tgt ctt ttg aaa atc agt ggc   882
121 Ile Ile Leu Ile Ile Ile Gly Cys Ile Cys Leu Leu Lys Ile Ser Gly
122 225                 230                 235                 240
124 tgc aga aaa tgt aaa ttg cca aaa tcg gga gct act cca gat att gag   930
125 Cys Arg Lys Cys Lys Leu Pro Lys Ser Gly Ala Thr Pro Asp Ile Glu
126                 245                 250                 255
128 gag gat gaa atg cag ccg tat gct agc tac aca gag aag agc aat cca   978
129 Glu Asp Glu Met Gln Pro Tyr Ala Ser Tyr Thr Glu Lys Ser Asn Pro
```

RAW SEQUENCE LISTING DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:57

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

```
130             260                 265                 270
132 ctc tat gat act gtg acc acg acg gag gca cac cca gcg tca caa ggc   1026
133 Leu Tyr Asp Thr Val Thr Thr Thr Glu Ala His Pro Ala Ser Gln Gly
134         275                 280                 285
136 aaa gtc aat ggc aca gac tgt ctt act ttg tca gcc atg gga atc       1071
137 Lys Val Asn Gly Thr Asp Cys Leu Thr Leu Ser Ala Met Gly Ile
138     290                 295                 300
140 tagaaccaag gaaaagaagt caagagacat cataattact gcttttcttt ctttaaactt 1131
142 ctccaatgga gggaaattag ctcttctgaa gttcttagaa agcacaaatg ttctaatgga 1191
144 tttgccttta agttcttcta tcattggaag tttggaatct ttgctgctac ctgttaattc 1251
146 taggaagaac tgatttaatt attacaaaga aagcacattg ttatggtaaa atatcaaatt 1311
148 gtgcaataca atgatgaaaa ctgagtttcc tcaagaaata actgcagaag gaacaatcat 1371
150 tactaaagca tttcatgtga gttcttccaa aaaagaaaat ccctgtgtat acgacatgat 1431
152 tatggtatgt gtgtgccttt atatgtttgt ttacaaatgt gtatatatgc acacatctga 1491
154 ttatcaagac atctctgtca aaaactcact ggcgttccag atttatgaaa gctaataaag 1551
156 tgagtattgg agatgttttt ata                                       1574
159 <210> SEQ ID NO: 2
160 <211> LENGTH: 327
161 <212> TYPE: PRT
162 <213> ORGANISM: Unknown
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Unknown Organism: rodent; surmised
166       Rattus rattus
168 <400> SEQUENCE: 2
169 Met Leu Cys Phe Trp Arg Thr Ser His Val Ala Val Leu Leu Ile Trp
170                 -20                 -15                 -10
172 Gly Val Phe Ala Ala Glu Ser Ser Cys Pro Asp Lys Asn Gln Thr Met
173              -5              -1   1               5
175 Gln Asn Asn Ser Ser Thr Met Thr Glu Val Asn Thr Thr Val Phe Val
176      10                  15                  20
178 Gln Met Gly Lys Lys Ala Leu Leu Cys Cys Pro Ser Ile Ser Leu Thr
179  25                  30                  35                  40
181 Lys Val Ile Leu Ile Thr Trp Thr Ile Thr Leu Arg Gly Gln Pro Ser
182                  45                  50                  55
184 Cys Ile Ile Ser Tyr Lys Ala Asp Thr Arg Glu Thr His Glu Ser Asn
185              60                  65                  70
187 Cys Ser Asp Arg Ser Ile Thr Trp Ala Ser Thr Pro Asp Leu Ala Pro
188          75                  80                  85
191 Asp Leu Gln Ile Ser Ala Val Ala Leu Gln His Glu Gly Arg Tyr Ser
192      90                  95                  100
194 Cys Asp Ile Ala Val Pro Asp Gly Asn Phe Gln Asn Ile Tyr Asp Leu
195 105                 110                 115                 120
197 Gln Val Leu Val Pro Pro Glu Val Thr His Phe Pro Gly Glu Asn Arg
198                 125                 130                 135
200 Thr Ala Val Cys Glu Ala Ile Ala Gly Lys Pro Ala Ala Gln Ile Ser
201             140                 145                 150
203 Trp Thr Pro Asp Gly Asp Cys Val Ala Lys Asn Glu Ser His Ser Asn
204         155                 160                 165
206 Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu Gln Ser His Val
```

RAW SEQUENCE LISTING DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:57

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

```
207     170                 175                 180
209 Ser Val Val Phe Cys Val Val Ser His Leu Thr Thr Gly Asn Gln Ser
210 185                 190                 195                 200
212 Leu Ser Ile Glu Leu Gly Arg Gly Gly Asp Gln Leu Leu Gly Ser Tyr
213                 205                 210                 215
215 Ile Gln Tyr Ile Ile Pro Ser Ile Ile Ile Leu Ile Ile Ile Gly Cys
216             220                 225                 230
218 Ile Cys Leu Leu Lys Ile Ser Gly Cys Arg Lys Cys Lys Leu Pro Lys
219         235                 240                 245
221 Ser Gly Ala Thr Pro Asp Ile Glu Glu Asp Glu Met Gln Pro Tyr Ala
222     250                 255                 260
224 Ser Tyr Thr Glu Lys Ser Asn Pro Leu Tyr Asp Thr Val Thr Thr Thr
225 265                 270                 275                 280
227 Glu Ala His Pro Ala Ser Gln Gly Lys Val Asn Gly Thr Asp Cys Leu
228                 285                 290                 295
230 Thr Leu Ser Ala Met Gly Ile
231             300
234 <210> SEQ ID NO: 3
235 <211> LENGTH: 1604
236 <212> TYPE: DNA
237 <213> ORGANISM: Unknown
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Unknown Organism:primate; surmised
241       Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: CDS
245 <222> LOCATION: (217)..(1101)
247 <220> FEATURE:
248 <221> NAME/KEY: mat_peptide
249 <222> LOCATION: (295)..(1101)
251 <400> SEQUENCE: 3
252 cagagaaaag cttctgttcg tccaagttac taaccaggct aaaccacata gacgtgaagg 60
254 aaggggctag aaggaaggga gtgccccact gttgatgggg taagaggatc ctgtactgag 120
256 aagttgacca gagagggtct caccatgcgc acagttcctt ctgtaccagt gtggaggaaa 180
258 agtactgagt gaagggcaga aaaagagaaa acagaa atg ctc tgc cct tgg aga   234
259                                         Met Leu Cys Pro Trp Arg
260                                             -25
262 act gct aac cta ggg cta ctg ttg att ttg act atc ttc tta gtg gcc   282
263 Thr Ala Asn Leu Gly Leu Leu Leu Ile Leu Thr Ile Phe Leu Val Ala
264 -20                 -15                 -10                 -5
266 gaa gcg gag ggt gct gct caa cca aac aac tca tta atg ctg caa act   330
267 Glu Ala Glu Gly Ala Ala Gln Pro Asn Asn Ser Leu Met Leu Gln Thr
268              -1   1                   5                  10
270 agc aag gag aat cat gct tta gct tca agc agt tta tgt atg gat gaa   378
271 Ser Lys Glu Asn His Ala Leu Ala Ser Ser Ser Leu Cys Met Asp Glu
272          15                  20                  25
274 aaa cag att aca cag aac tac tcg aaa gta ctc gca gaa gtt aac act   426
275 Lys Gln Ile Thr Gln Asn Tyr Ser Lys Val Leu Ala Glu Val Asn Thr
276      30                  35                  40
```

RAW SEQUENCE LISTING DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:57

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

```
278 tca tgg cct gta aag atg gct aca aat gct gtg ctt tgt tgc cct cct   474
279 Ser Trp Pro Val Lys Met Ala Thr Asn Ala Val Leu Cys Cys Pro Pro
280  45                  50                  55                  60
282 atc gca tta aga aat ttg atc ata ata aca tgg gaa ata atc ctg aga   522
283 Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg
284                  65                  70                  75
286 ggc cag cct tcc tgc aca aaa gcc tac aag aaa gaa aca aat gag acc   570
287 Gly Gln Pro Ser Cys Thr Lys Ala Tyr Lys Lys Glu Thr Asn Glu Thr
288              80                  85                  90
290 aag gaa acc aac tgt act gat gag aga ata acc tgg gtc tcc aga cct   618
291 Lys Glu Thr Asn Cys Thr Asp Glu Arg Ile Thr Trp Val Ser Arg Pro
292          95                 100                 105
294 gat cag aat tcg gac ctt cag att cgt acc gtg gcc atc act cat gac   666
295 Asp Gln Asn Ser Asp Leu Gln Ile Arg Thr Val Ala Ile Thr His Asp
296     110                 115                 120
298 ggg tat tac aga tgc ata atg gta aca cct gat ggg aat ttc cat cgt   714
299 Gly Tyr Tyr Arg Cys Ile Met Val Thr Pro Asp Gly Asn Phe His Arg
300 125                 130                 135                 140
302 gga tat cac ctc caa gtg tta gtt aca cct gaa gtg acc ctg ttt caa   762
303 Gly Tyr His Leu Gln Val Leu Val Thr Pro Glu Val Thr Leu Phe Gln
304                 145                 150                 155
306 aac agg aat aga act gca gta tgc aag gca gtt gca ggg aag cca gct   810
307 Asn Arg Asn Arg Thr Ala Val Cys Lys Ala Val Ala Gly Lys Pro Ala
308             160                 165                 170
310 gcg cat atc tcc tgg atc cca gag ggc gat tgt gcc act aag caa gaa   858
311 Ala His Ile Ser Trp Ile Pro Glu Gly Asp Cys Ala Thr Lys Gln Glu
312         175                 180                 185
314 tac tgg agc aat ggc aca gtg act gtt aag agt aca tgc cac tgg gag   906
315 Tyr Trp Ser Asn Gly Thr Val Thr Val Lys Ser Thr Cys His Trp Glu
316     190                 195                 200
318 gtc cac aat gtg tct acc gtg acc tgc cac gtc tcc cat ttg act ggc   954
319 Val His Asn Val Ser Thr Val Thr Cys His Val Ser His Leu Thr Gly
320 205                 210                 215                 220
322 aac aag agt ctg tac ata gag cta ctt cct gtt cca ggt gcc aaa aaa   1002
323 Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro Val Pro Gly Ala Lys Lys
324                 225                 230                 235
326 atc agc aaa att ata tat tcc ata tat cat cct tac tat tat tat tta   1050
327 Ile Ser Lys Ile Ile Tyr Ser Ile Tyr His Pro Tyr Tyr Tyr Tyr Leu
328             240                 245                 250
330 gac cat cgt ggg att cat ttg gtt gtt gaa agt caa tgg ctg cag aaa   1098
331 Asp His Arg Gly Ile His Leu Val Val Glu Ser Gln Trp Leu Gln Lys
332         255                 260                 265
334 ata taaattgaat aaaacagaat ctactccagt tgttgaggag gatgaaatgc       1151
335 Ile
337 agccctatgc cagctacaca gagaagaaca atcctctcta tgatactaca aacaaggtga 1211
339 aggcatctga ggcattacaa agtgaagttg acacagacct ccatacttta taagttgttg 1271
341 gactctagta ccaagaaaca acaacaaacg agatacatta taattactgt ctgattttct 1331
343 tacagttcta gaatgaagac ttatattgaa attaggtttt ccaaggttct tagaagacat 1391
345 tttaatggat tctcattcat acccttgtat aattggaatt tttgattctt agctgctacc 1451
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:58

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 6,18,21,24,30,33,36,39,42,51,54,60,63,69,72,78,93,108,111
Seq#:13; N Pos. 114,120,126,132,135,138,144,153,162,165,168,177,180,186,189
Seq#:13; N Pos. 192,198,204,210,216,222,225,228,231,237,240,252,261,267,270
Seq#:13; N Pos. 276,285,294,300,303,309,315,318,321,324,330,333,336,342,351
Seq#:13; N Pos. 354,357,360,363,375,378,384,396,399,402,408,432,438,441,444
Seq#:13; N Pos. 447,450,456,459,468,471,480,483,486,489,498,504,507,513,516
Seq#:13; N Pos. 519,528,534,537,543,552,555,567,573,579,582,585,588,591,594
Seq#:13; N Pos. 597,600,618,624,627,630,633,642,645,648,654,657,660,663,672
Seq#:13; N Pos. 675,678,687,690,693,696,699,708,711,714,717,738,741,753,765
Seq#:13; N Pos. 777,780,789,792,798,810,813,819,822,825,828,831,858,864,867
Seq#:13; N Pos. 873,882,888,891,900,903,906,909,912,918,924,927,930,936,942
Seq#:13; N Pos. 948,951,960,963,966,969,972,978
Seq#:14; N Pos. 6,12,18,21,24,30,33,36,39,42,48,51,60,63,66,72,78,81,84,90
Seq#:14; N Pos. 99,102,108,114,117,132,135,138,141,144,147,150,174,186,192
Seq#:14; N Pos. 195,198,204,210,213,219,222,231,234,240,243,246,255,258,264
Seq#:14; N Pos. 267,270,276,288,303,306,309,315,318,324,330,345,354,363,372
Seq#:14; N Pos. 381,387,393,396,399,402,414,420,429,432,435,438,444,453,462
Seq#:14; N Pos. 474,477,480,486,498,501,510,516,519,522,525,528,534,537,540
Seq#:14; N Pos. 552,558,561,564,567,576,579,582,585,591,594,597,606,615,621
Seq#:14; N Pos. 630,633,651,657,660,663,666,669,675,678,693,702,705,708,711
Seq#:14; N Pos. 714,723,726,732,735,738,747,750,762,765,768,771,774,777,780
Seq#:14; N Pos. 792,807,819,834,843,846,855,858,861,867,876
Seq#:15; N Pos. 18,21,24,27,30,33,36,39,42,51,54,60,63,66,69,72,78,93,96
Seq#:15; N Pos. 108,111,114,117,120,123,129,135,138,141,144,147,156,159,165
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Seq#:15; N Pos. 573,579,582,585,588,591,594,597,600,624,627,633,636,645,648
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Seq#:16; N Pos. 6,9,21,33,36,45,51,60,66,69,72,87,90,93,102,105,111,114,117
Seq#:16; N Pos. 123,135,150,153,156,162,165,171,177,192,201,210,219,222,228
Seq#:16; N Pos. 234,240,243,246,249,261,267,276,279,282,288,291,300,309,312
Seq#:16; N Pos. 318,321,324,327,333,345,348,357,363,366,369,372,375,381,387
Seq#:16; N Pos. 396,399,408,411,414,423,426,429,432,438,441,444,453,462,468
Seq#:16; N Pos. 471,477,480,483,501,507,510,513,516,519,525,528,534,543,552
Seq#:16; N Pos. 555,558,561,570,573,579,582,585,594,597,600,603,609,615,618
Seq#:16; N Pos. 621,624,627,630,633,636,639,642,645,648,651,654,663,669,675
Seq#:16; N Pos. 678,681,687,690,696,699,702,705,708,714,726,738,741,747,750
Seq#:17; N Pos. 3,6,12,15,27,36,42,51,60,66,69,72,81,87,90,93,96,108,114

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:58

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

Seq#:17; N Pos. 123,126,129,132,135,147,156,168,171,174,180,195,204,210,213
Seq#:17; N Pos. 216,219,222,228,231,240,243,252,255,258,261,270,276,279,285
Seq#:17; N Pos. 288,291,300,306,309,315,324,327,333,339,345,351,354,357,360
Seq#:17; N Pos. 363,366,369,372,396,399,402,405,408,417,420,426,429,432,441
Seq#:17; N Pos. 444,447,456,459,462,465,468,471,474,477,480,483,486,489,492
Seq#:17; N Pos. 495,501,507,516,519,522,525,534,537,543,546,552,567,573,576
Seq#:17; N Pos. 579,582

VERIFICATION SUMMARY DATE: 05/31/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 15:00:58

Input Set : **N:\KEISHA\10009445c.txt**
Output Set: **N:\CRF4\05312005\J009445C.raw**

L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
M:341 Repeated in SeqNo=14
L:1183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
M:341 Repeated in SeqNo=17
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
M:341 Repeated in SeqNo=18
L:1540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:1742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24

IFW16

RAW SEQUENCE LISTING DATE: 05/25/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 13:59:12

Input Set : **E:\14094-20009.00 - corrected substitute seq list.txt**
Output Set: **N:\CRF4\05252005\J009445C.raw**

```
 4 <110> APPLICANT: BARCLAY, A. Neil
 5       BROWN, Marion H.
 6       GORMAN, Daniel M.
 7       LANIER, Lewis L.
 8       WRIGHT, Gavin J.
 9       CHERWINSKI, Holly
10       PHILLIPS, Joseph H.
11       HOEK, Robert M.
12       SEDGWICK, Jonathan D.
14 <120> TITLE OF INVENTION: OX2 RECEPTOR HOMOLOGS (AS AMENDED)
16 <130> FILE REFERENCE: 140942000900
18 <140> CURRENT APPLICATION NUMBER: US 10/009,445C
19 <141> CURRENT FILING DATE: 2001-11-13
21 <150> PRIOR APPLICATION NUMBER: PCT US00/12998
22 <151> PRIOR FILING DATE: 2000-05-11
24 <150> PRIOR APPLICATION NUMBER: GB 9925989.7
25 <151> PRIOR FILING DATE: 1999-11-03
28 <150> PRIOR APPLICATION NUMBER: GB 9911123.9
29 <151> PRIOR FILING DATE: 1999-05-13
31 <160> NUMBER OF SEQ ID NOS: 70
33 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Corrected Diskette Needed
(pg. 1)

ERRORED SEQUENCES

```
2440 <210> SEQ ID NO: 70
2442 <211> LENGTH: 25
2443 <212> TYPE: PRT
2444 <213> ORGANISM: Mus musculus
2446 <400> SEQUENCE: 70
2447 Lys Met Ala Leu Leu Val Ile Ile Leu Leu Asn Val Gly Phe Ala Phe
2448  1               5                  10                  15
2449 Phe Gln Lys Arg Asn Phe Ala Arg Thr
2450             20                  25
E--> 2452 38
E--> 2455 29
```

deleted

VERIFICATION SUMMARY DATE: 05/25/2005
PATENT APPLICATION: **US/10/009,445C** TIME: 13:59:13

Input Set : **E:\14094-20009.00 - corrected substitute seq list.txt**
Output Set: **N:\CRF4\05252005\J009445C.raw**

L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
M:341 Repeated in SeqNo=14
L:1183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
M:341 Repeated in SeqNo=17
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
M:341 Repeated in SeqNo=18
L:1540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:1742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24
L:2452 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:70
M:332 Repeated in SeqNo=70